SEQUENCE LISTING

SEQ ID NO:1: T7 RNAP recognition sequence
TAATACGACTCACTATAGGGAGA

SEQ ID NO:2: SP6 RNAP recognition sequence
ATTTAGGTGACACTATAGAAGAA

SEQ ID NO:3: T3 RNAP recognition sequence
AATTAACCCTCACTAAAGGGAGA

SEQ ID NO:4: K11 RNAP recognition sequence
AATTAGGGCACACTATAGGGAGA

SEQ ID NO:5: spacer sequence
$(A)_{12-20}$

SEQ ID NO:6: spacer sequence
$(T)_{12-20}$

SEQ ID NO:7: spacer sequence
$(C)_{12-20}$

SEQ ID NO:8: spacer sequence
$(G)_{12-20}$

SEQ ID NO:9: spacer sequence
$(XY)_n$.

SEQ ID NO:10: spacer sequence
AAAGGGAAGAGAGAGG

SEQ ID NO:11: spacer sequence
CTTTTTTTTCTTCCC

SEQ ID NO:12: spacer sequence
GCGCCCGC

SEQ ID NO:13: spacer sequence
ATTTAATT

SEQ ID NO:14: spacer sequence
CAAACCCAA

SEQ ID NO:15: RNAP active site sequence
Lys-Xaa-Xaa-Xaa-Xaa-Xaa-Xaa-Xaa-Tyr-Gly-Ser

SEQ ID NO:16: AMP010   Amplification Primer
AATTTAATACGACTCACTATAGGGAGAGAGAGAGAGACTCCTAAAGTC
ACTCCTAACG

54

SEQ ID NO:17: AMP011   Amplification Primer (T7 Promoter)
        AATTTAATACGACTCACTATAGGGAGAGAGAGAGAGAGAGCTATTCGCCG
TGTCCCTCTCG

5   SEQ ID NO:18: AMP011S   Amplification Primer (T7 Promoter S)
        AATTTAATACGACTCACTATAGGGAGAAGGAGAAAAGAGCTATTCGCCG
TGTCCCTCTCG

SEQ ID NO:19: AMP012   PCR Primer
10   GCTATTCGCCGTGTCCCTCTCG

SEQ ID NO:20: AMP013   PCR Primer
        CTCCTAAAGTCACTCCTAACG

15 SEQ ID NO:21: Bump003 Bumper Primer
        CTGTGTCCCTATCTGTTACA

SEQ ID NO:22: AMPSig5-B Signal Oligonucleotide
        CCATCCTAAAGCCAACACCTAA
20

SEQ ID NO:23: AMPSig5AS-B   Signal Oligonucleotide
        TTAGGTGTTGGCTTTAGGATGG

SEQ ID NO:24: (T7 Promoter)
25   AATTTAATACGACTCACTATAGGGAGAGAGAGAGAGAGA

SEQ ID NO:25: (T7 Promoter S)
        AATTTAATACGACTCACTATAGGGAGAAGGAGAAAAGA

30 SEQ ID NO:26: Amplicon
AATTTAATACGACTCACTATAGGGAGAGAGAGAGAGAGAGACTCCTAAAGTCACCTCCTAAC
TTAAATTATGCTGAGTGATATCCCTCTCTCTCTCTCTGAGGATTTCAGTGGAGGATTG

GTCCATCCTAAAGCCAACACCTAAAGCCTACACCTAAAGACCCATCAAGTCAACGCCTAT
35 CAGGTAGGATTTCGGTTGTGGATTTCGGATGTGGATTTCTGGGTAGTTCAGTTGCGGATA

CTTAAAGTTTAAACATAAAGACCAGACCTAAAGACCAGACCTAAAGACACTACATAAAGA
GAATTTCAAATTTGTATTTCTGGTCTGGATTTCTGGTCTGGATTTCTGTGATGTATTTCT

40 CCAGACCTAAAGACGCCTTGTTGTTAGCCATAAAGTGATAACCTTTAATCATTGTCTTTA
GGTCTGGATTTCTGCGGAACAACAATCGGTATTTCACTATTGGAAATTAGTAACAGAAAT

TTAATACAACTCACTATAAGGAGAGACAACTTAAAGAGACTTAAAGATTAATTTAAAAT
AATTATGTTGAGTGATATTCCTCTCTGTTGAATTTCTCTGAATTTTCTAATTAAATTTTA
45

TTATCAAAAAGAGTATTGACTTAAAGTCTAACCTATAGGATACTTACAGCCATCGAGAGG
AATAGTTTTTCTCATAACTGAATTTCAGATTGGATATCCTATGAATGTCGGTAGCTCTCC

GACACGGCGAATAGC   581
50 CTGTGCCGCTTATCG

55

SEQ ID NO: 27: spacer sequence of Amp011
        GGGAGAGAGAGAGAGAGA

5   SEQ ID NO: 28: spacer sequence of Amp011Sc
        GGGAGAAGGAGAAAAAGA